

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--------------------|------------------|---------|---------------------|
| L1 | 1 | ("7,042,170").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/27 14:41 |
| L2 | 1 | ("6,181,086").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/27 14:59 |
| L13 | 1 | ("5914569").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/27 15:46 |
| L14 | 1 | ("7042170").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/27 15:48 |
| L15 | 1 | ("6770740").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/27 15:54 |
| L17 | 964 | 116 and fluorescent | US-PGPUB; USPAT | OR | ON | 2010/12/27 15:57 |
| L18 | 1 | ("6770790").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/27 15:58 |
| L19 | 1 | ("6720740").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/27 15:58 |
| L20 | 1 | ("7042170").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/27 16:01 |
| L21 | 0 | ("US-5945787-\$.D.ID.ORUS-4358716-\$.D.ID.ORUS-6453217-\$.D.ID.ORUS-4388563-\$.D.ID.ORUS-5962989-\$.D.ID.ORUS-4488088-\$.D.ID.ORUS-20020153852-\$.D.ID.ORUS-1331018-\$.D.ID.") .PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/27 16:13 |
| L22 | 7 | US-5945787-\$.D.ID. OR US-4358716-\$.D.ID. OR US-6453217-\$.D.ID. OR US-4388563-\$.D.ID. OR US-5962989-\$.D.ID. OR US-4488088-\$.D.ID. OR US-20020153852-\$.D.ID. OR US-1331018-\$.D.ID. | US-PGPUB; USPAT | OR | ON | 2010/12/27 16:13 |

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|-----|------|--|---|----|-----|---------------------|
| S1 | 1256 | 315/246,291,307.ccls. and (flourscent and puls\$3 or \$4periodic\$4) | US-PGPUB; USPAT | OR | ON | 2010/11/29 16:45 |
| S2 | 973 | S1 and puls\$3 | US-PGPUB; USPAT | OR | ON | 2010/11/29 16:45 |
| S3 | 7 | S2 and non adj periodic | US-PGPUB; USPAT | OR | ON | 2010/11/29 16:53 |
| S4 | 418 | S2 and ballast | US-PGPUB; USPAT | OR | ON | 2010/11/29 16:57 |
| S5 | 210 | S4 and variable | US-PGPUB; USPAT | OR | ON | 2010/11/29 17:01 |
| S6 | 149 | S5 not led | US-PGPUB; USPAT | OR | ON | 2010/11/29 17:02 |
| S7 | 0 | S6 and @pd<"2005" | US-PGPUB; USPAT | OR | ON | 2010/11/29 17:03 |
| S8 | 108 | S6 and @py<"2005" | US-PGPUB; USPAT | OR | ON | 2010/11/29 17:06 |
| S9 | 41 | S8 and resonance | US-PGPUB; USPAT | OR | ON | 2010/11/29 17:09 |
| S10 | 1520 | 315/246,291,307,299,312,324,360.ccls. and (flourscent and ballast and puls\$3 or \$4periodic\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/11/30 07:17 |
| S11 | 0 | "315.dig.5" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/11/30 07:18 |
| S12 | 1140 | (315/dig.5). CCLS. | US-PGPUB; USPAT | OR | OFF | 2010/11/30 07:19 |

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| S13 | 1520 | {(315/246,291,307,299,312,324,360.cds. and (flourescent and ballast and puls\$3 or \$4periodic\$4)) or (S10 and (flourescent and ballast and puls\$3 or \$4periodic\$4)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/11/30 07:20 |
| S14 | 1520 | (S10 and (flourescent and ballast and puls\$3 or \$4periodic\$4)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/11/30 07:20 |
| S15 | 1003 | S13 not led | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/11/30 07:22 |
| S16 | 0 | S15 and algorithm | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/11/30 07:22 |
| S17 | 58 | S15 and algorithm | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/11/30 07:22 |
| S18 | 328 | S15 not dc | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/11/30 07:27 |

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| S19 | 2 | S18 and non adj periodic\$3 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/11/30 07:27 |
| S20 | 2 | S18 and "non periodic" | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/11/30 07:29 |
| S21 | 195 | S18 and pulse\$3 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/11/30 07:30 |
| S22 | 0 | S21 and resonant | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/11/30 07:32 |
| S23 | 153 | S21 and @py<"2006" | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/11/30 07:49 |
| S24 | 8060 | (315/246,291,307,299,312,324,360315/dig.5).CCLS. | US-PGRUB; USPAT | OR | OFF | 2010/11/30 10:58 |
| S25 | 9 | US-5945787-\$.D.ID. OR US-4358716-\$.D.ID. OR US-6453217-\$.D.ID. OR US-4388563-\$.D.ID. OR US-5962989-\$.D.ID. OR US-4488088-\$.D.ID. OR US-20020153852-\$.D.ID. OR US-1331018-\$.D.ID. | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/02 16:48 |

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| S26 | 8615 | (315/246,291,299,307,312,324,360,dig5).CQLS. | US-PGPUB; USPAT | OR | OFF | 2010/12/03 09:56 |
| S27 | 0 | (315/dig5).CQLS. | US-PGPUB; USPAT | OR | OFF | 2010/12/03 09:57 |
| S28 | 1140 | (315/dig.5).CQLS. | US-PGPUB; USPAT | OR | OFF | 2010/12/03 10:10 |
| S29 | 9367 | (315/246,291,299,307,312,324,360,dig.5).CQLS. | US-PGPUB; USPAT | OR | OFF | 2010/12/03 10:10 |
| S30 | 0 | ("I4andflourescent").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/03 10:21 |
| S31 | 0 | S29 and flourescent | US-PGPUB; USPAT | OR | ON | 2010/12/03 10:22 |
| S32 | 3513 | S29 and fluorescent | US-PGPUB; USPAT | OR | ON | 2010/12/03 10:22 |
| S33 | 2138 | S32 and puls\$5 | US-PGPUB; USPAT | OR | ON | 2010/12/03 10:36 |
| S34 | 3 | S33 and non near periodic\$3 | US-PGPUB; USPAT | OR | ON | 2010/12/03 10:37 |
| S35 | 969 | S33 and variable | US-PGPUB; USPAT | OR | ON | 2010/12/03 10:38 |
| S36 | 272 | S35 and resonance | US-PGPUB; USPAT | OR | ON | 2010/12/03 10:39 |
| S37 | 181 | S36 and ballast | US-PGPUB; USPAT | OR | ON | 2010/12/03 10:39 |
| S38 | 160 | S37 not led | US-PGPUB; USPAT | OR | ON | 2010/12/03 10:49 |
| S39 | 123 | S36 and efficient | US-PGPUB; USPAT | OR | ON | 2010/12/03 11:23 |
| S40 | 91 | S39 not led | US-PGPUB; USPAT | OR | ON | 2010/12/03 11:23 |
| S41 | 9367 | (315/246,291,299,307,312,324,360,dig.5).CQLS. | US-PGPUB; USPAT | OR | OFF | 2010/12/06 09:34 |

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| S42 | 3513 | S41 and fluorescent | US-PGPUB; USPAT | OR | ON | 2010/12/06 09:34 |
| S43 | 2138 | S42 and puls\$5 | US-PGPUB; USPAT | OR | ON | 2010/12/06 09:34 |
| S44 | 0 | S43 and non near sinusoidal | US-PGPUB; USPAT | OR | ON | 2010/12/06 09:34 |
| S45 | 0 | S43 and non near sinusoidal | US-PGPUB; USPAT | OR | ON | 2010/12/06 09:35 |
| S46 | 20 | S43 and "non-sinusoidal" | US-PGPUB; USPAT | OR | ON | 2010/12/06 09:36 |
| S47 | 0 | ("62625424902939").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/07 07:24 |
| S48 | 1 | ("6262542").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/07 07:24 |
| S49 | 1 | ("4902939").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/07 07:25 |
| S50 | 9376 | (315/246,291,299,307,312,324,360,dig.5).COLS. | US-PGPUB; USPAT | OR | OFF | 2010/12/07 07:35 |
| S51 | 3518 | S50 and fluorescent | US-PGPUB; USPAT | OR | ON | 2010/12/07 07:35 |
| S52 | 3 | S51 and short near cut | US-PGPUB; USPAT | OR | ON | 2010/12/07 07:35 |
| S53 | 1184 | S51 and filaments | US-PGPUB; USPAT | OR | ON | 2010/12/07 07:36 |
| S54 | 12 | S51 and short near filaments | US-PGPUB; USPAT | OR | ON | 2010/12/07 07:37 |
| S55 | 9376 | (315/246,291,299,307,312,324,360,dig.5).COLS. | US-PGPUB; USPAT | OR | OFF | 2010/12/07 12:34 |
| S56 | 3518 | S55 and fluorescent | US-PGPUB; USPAT | OR | ON | 2010/12/07 12:34 |
| S57 | 12 | S56 and short\$1 near filament\$1 | US-PGPUB; USPAT | OR | ON | 2010/12/07 12:34 |

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| S58 | 1184 | S56 and filament\$1 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/07 12:34 |
| S59 | 12 | S56 and short\$1 near filament\$2 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/07 12:35 |
| S60 | 428 | S58 and efficient | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/07 12:35 |
| S61 | 758 | S58 and efficien\$3 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/07 12:36 |
| S62 | 0 | S61 and filament near bypass | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/07 12:36 |
| S63 | 584 | S61 not led | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/07 12:38 |

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| S64 | 7 | S63 and coupling\$2 near filament\$2 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/07 12:40 |
| S65 | 237 | S63 and coupling\$2 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/07 12:42 |
| S66 | 85 | S63 and filament\$2 near current | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/07 12:43 |
| S67 | 11 | S66 not dc | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/07 12:44 |
| S68 | 21 | S65 and "filament current" | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/07 14:05 |
| S69 | 0 | S66 and "filament current" | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/07 14:24 |

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| S70 | 88 | S56 and "filament current" | US-PGPUB; USPAT; USOCR; FRPS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/07 14:24 |
| S71 | 26 | ("5444333").URPN. | USPAT | OR | ON | 2010/12/07 16:36 |
| S72 | 320 | (315/326).CCLS. | US-PGPUB; USPAT | OR | OFF | 2010/12/08 08:37 |
| S73 | 0 | ("s29andfluorescent").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/08 08:42 |
| S74 | 9376 | (315/246,291,299,307,312,324,360,dig.5).CCLS. | US-PGPUB; USPAT | OR | OFF | 2010/12/08 08:42 |
| S75 | 3518 | S74 and fluorescent | US-PGPUB; USPAT | OR | ON | 2010/12/08 08:42 |
| S76 | 1010 | S75 and (not\$1 near periodic\$2 or pwm or pulse adj width adj modulation) | US-PGPUB; USPAT | OR | ON | 2010/12/08 08:44 |
| S77 | 608 | S76 not led | US-PGPUB; USPAT | OR | ON | 2010/12/08 08:44 |
| S78 | 48 | S77 and (micro adj controller or algorithm) | US-PGPUB; USPAT | OR | ON | 2010/12/08 08:45 |
| S79 | 255 | S77 and square | US-PGPUB; USPAT | OR | ON | 2010/12/08 08:47 |
| S80 | 32 | S78 and S79 | US-PGPUB; USPAT | OR | ON | 2010/12/08 08:48 |
| S81 | 0 | S80 and "non-sinusoidal" | US-PGPUB; USPAT | OR | ON | 2010/12/08 08:48 |
| S82 | 0 | S80 and "non-sinusoidal" | US-PGPUB; USPAT | OR | ON | 2010/12/08 08:49 |
| S83 | 295 | S77 and ballast | US-PGPUB; USPAT | OR | ON | 2010/12/08 08:52 |
| S84 | 90 | S83 and efficient | US-PGPUB; USPAT | OR | ON | 2010/12/08 08:55 |

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| S85 | 32 | fluorescent and ballast | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 09:27 |
| S86 | 15693 | fluorescent and ballast | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 09:27 |
| S87 | 6687 | S86 and (\$4periodic\$4 or "non sinusiodal" or pwm or Pulse width modulati\$3) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 09:29 |
| S88 | 1080 | S87 and resonance | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 09:29 |
| S89 | 874 | S88 not led | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 09:30 |
| S90 | 43 | S89 and (current adj sampling or current adj measurement) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 09:30 |

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| S91 | 53 | S89 and (current adj samp/\$3 or current adj measurement) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 09:31 |
| S92 | 13 | ("5331258" "5353001" "6020691" "6107851" "6226190" "6297623" "6414471" "6456475" "6597587" "6608471" "6657400" "6747443" "6762645").PN. | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/08 09:33 |
| S93 | 0 | ("7656096").URPN. | USPAT | OR | ON | 2010/12/08 09:35 |
| S94 | 0 | ("7656096").URPN. | USPAT | OR | ON | 2010/12/08 09:35 |
| S95 | 0 | ("7656096").URPN. | USPAT | OR | ON | 2010/12/08 09:36 |
| S96 | 0 | ("7656096").URPN. | USPAT | OR | ON | 2010/12/08 09:36 |
| S97 | 13 | ("5331258" "5353001" "6020691" "6107851" "6226190" "6297623" "6414471" "6456475" "6597587" "6608471" "6657400" "6747443" "6762645").PN. | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/08 09:36 |
| S98 | 12 | ("20020140371" "20040217715" "20040263093" "20050047176" "20060126365" "5440324" "5811942" "6002213" "6094016" "6583568" "6956336" "7009348").PN. | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/08 09:39 |
| S99 | 107 | S89 and microprocessor | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 10:03 |

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| S100 | 1451 | S74 and resonance | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 11:27 |
| S101 | 1280 | S100 not led | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 11:27 |
| S102 | 2 | S101 and (non adj periodic\$3 or non adj sinusoidal) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 11:29 |
| S103 | 1 | ("6720740").PN. | US-PGRUB; USPAT | OR | OFF | 2010/12/08 12:47 |
| S104 | 0 | ("s50andfluorescent").PN. | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/12/08 14:27 |
| S105 | 2103 | S75 and puls\$3 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 14:28 |

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| S106 | 543 | S105 and \$4periodic\$4 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 14:28 |
| S107 | 527 | S106 and time\$3 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 14:29 |
| S108 | 169 | S107 and (algorithm or microprocessor) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 14:30 |
| S109 | 86 | S108 and ballast | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 14:30 |
| S110 | 37 | S109 not led | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 14:30 |
| S111 | 37 | S110 and ballast | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 14:31 |

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| S112 | 29 | S110 and efficien\$3 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 14:31 |
| S113 | 18 | S112 and resonance | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 14:32 |
| S114 | 331 | S107 not led | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 14:45 |
| S115 | 215 | S114 and efficien\$3 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 14:45 |
| S116 | 42 | S115 and (microprocessor or algorithm or microcontroller) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 14:46 |
| S117 | 2 | S105 and (non adj) periodic\$3) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 14:51 |

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| S118 | 1 | S105 and non-periodic | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 14:51 |
| S119 | 0 | S105 and non-periodical | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 14:51 |
| S120 | 2062 | S105 and pulse | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 14:52 |
| S121 | 175 | S105 and (dead near time) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 14:52 |
| S122 | 153 | S121 not led | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 14:52 |
| S123 | 85 | S122 and variable | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 14:52 |

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| S124 | 54 | S123 and efficienc\$2 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 14:53 |
| S125 | 2 | S101 and (non near periodic\$3 or non near sinusoidal) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 15:00 |
| S126 | 1280 | S101 and resonance | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 15:00 |
| S127 | 1280 | S126 not led | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 15:00 |
| S128 | 821 | S127 and ballast | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 15:00 |
| S129 | 540 | S128 and efficienc\$3 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 15:01 |

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| S130 | 1 | S129 and "non periodic" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 15:02 |
| S131 | 0 | S129 and "non-periodic" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 15:02 |
| S132 | 0 | S129 and ("not" near periodic\$3 or sinusoidal) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 15:03 |
| S133 | 392 | S129 and (periodic\$3 or puls\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 15:04 |
| S134 | 197 | S133 and variable | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 15:04 |
| S135 | 196 | S134 and operat\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 15:05 |

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| S136 | 1 | ("7525791").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/08 15:27 |
| S137 | 0 | (2008/0158781).CQLS. | US-PGPUB; USPAT | OR | OFF | 2010/12/08 15:28 |
| S138 | 1 | ("20080158781").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/08 15:28 |
| S139 | 0 | ("jp.4119624").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/08 15:29 |
| S140 | 0 | (04/119624).APP. | JPO | OR | OFF | 2010/12/08 15:29 |
| S141 | 118 | S135 and square | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 15:34 |
| S142 | 65410 | S141 and pwm or "pulse width modulation" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 15:34 |
| S143 | 42 | S141 and (pwm or "pulse width modulation") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 15:35 |
| S144 | 76 | S141 not (pwm or "pulse width modulation") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/08 15:39 |
| S145 | 91 | ("5677602").URPN. | USPAT | OR | ON | 2010/12/08 15:42 |

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|------|------|--|--------------------|----|-----|---------------------|
| S146 | 1418 | S175 and pulse | USPAT | OR | ON | 2010/12/08 15:56 |
| S147 | 0 | S146 and efficien\$2 | USPAT | OR | ON | 2010/12/08 15:56 |
| S148 | 832 | S146 and efficien\$2 | USPAT | OR | ON | 2010/12/08 15:57 |
| S149 | 374 | S148 and square | USPAT | OR | ON | 2010/12/08 15:57 |
| S150 | 91 | S149 and (microcontroller or microprocessor ro algorithm) | USPAT | OR | ON | 2010/12/08 15:57 |
| S151 | 39 | S150 not led | USPAT | OR | ON | 2010/12/08 15:58 |
| S152 | 30 | S151 and ballast | USPAT | OR | ON | 2010/12/08 15:58 |
| S153 | 9376 | (315/246,291,299,307,312,324,360,dig.5).CCLS. | US-PGPUB; USPAT | OR | OFF | 2010/12/08 16:57 |
| S154 | 3518 | S153 and fluorescent | US-PGPUB; USPAT | OR | ON | 2010/12/08 16:57 |
| S155 | 2141 | S154 and puls\$5 | US-PGPUB; USPAT | OR | ON | 2010/12/08 16:57 |
| S156 | 2 | S155 and (non adj periodic\$3) | US-PGPUB; USPAT | OR | ON | 2010/12/08 16:58 |
| S157 | 972 | S155 and variable | US-PGPUB; USPAT | OR | ON | 2010/12/08 16:58 |
| S158 | 631 | S157 not led | US-PGPUB; USPAT | OR | ON | 2010/12/08 16:59 |
| S159 | 439 | S158 and ballast | US-PGPUB; USPAT | OR | ON | 2010/12/08 16:59 |
| S160 | 291 | S159 not dimmer | US-PGPUB; USPAT | OR | ON | 2010/12/08 17:00 |
| S161 | 120 | S160 and efficient | US-PGPUB; USPAT | OR | ON | 2010/12/08 17:01 |

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|------|------|---|---|----|-----|---------------------|
| S162 | 204 | S160 and (efficient or efficiency) | US-PGRUB; USPAT | OR | ON | 2010/12/08 17:01 |
| S163 | 112 | S162 and square | US-PGRUB; USPAT | OR | ON | 2010/12/08 17:12 |
| S164 | 1 | ("6453217").PN. | US-PGRUB; USPAT | OR | OFF | 2010/12/08 17:23 |
| S165 | 9388 | (315/246,291,299,307,312,324,360,dig.5).COLS. | US-PGRUB; USPAT | OR | OFF | 2010/12/09 07:22 |
| S166 | 3521 | S165 and fluorescent | US-PGRUB; USPAT | OR | ON | 2010/12/09 07:22 |
| S167 | 3275 | S166 and operat\$3 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/09 07:22 |
| S168 | 2058 | S167 and puls\$5 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/09 07:22 |
| S169 | 345 | S168 and (\$4periodic\$3 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/09 07:22 |
| S170 | 1918 | S168 and (\$4periodic\$3 or time\$3) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/09 07:23 |

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|------|------|------------------|---|----|----|---------------------|
| S171 | 209 | S169 not led | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/09 07:23 |
| S172 | 137 | S171 and ballast | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/09 07:23 |
| S173 | 1351 | S170 not led | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/09 08:32 |
| S174 | 910 | S173 and ballast | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/09 08:32 |
| S175 | 0 | S174 and swuare | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/09 08:32 |
| S176 | 407 | S174 and square | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/09 08:32 |

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|------|------|---|---|----|-----|---------------------|
| S177 | 15 | S174 and (non adj periodic\$3 or non adj sinusoidal) | US-PGPUB; USPAT; USOCR; FRPS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/09 08:34 |
| S178 | 0 | ("5402043,6157142").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/09 09:01 |
| S179 | 1 | ("5402043").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/09 09:01 |
| S180 | 1 | ("6157142").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/09 09:01 |
| S181 | 1 | ("5444333").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/09 09:19 |
| S182 | 29 | S165 and remote\$2 near central\$4 | US-PGPUB; USPAT | OR | ON | 2010/12/09 10:42 |
| S183 | 16 | S182 and ballast | US-PGPUB; USPAT | OR | ON | 2010/12/09 10:43 |
| S184 | 3070 | S165 and ballast | US-PGPUB; USPAT | OR | ON | 2010/12/09 10:46 |
| S185 | 1132 | S184 and (monitor\$3 or communicat\$4) | US-PGPUB; USPAT | OR | ON | 2010/12/09 10:47 |
| S186 | 155 | S185 and (wireless) | US-PGPUB; USPAT | OR | ON | 2010/12/09 10:47 |
| S187 | 63 | S186 not led | US-PGPUB; USPAT | OR | ON | 2010/12/09 10:48 |
| S188 | 23 | S187 and fail\$3 | US-PGPUB; USPAT | OR | ON | 2010/12/09 10:51 |
| S189 | 10 | S186 and ((microprocessor or microcontroller) near ballast) | US-PGPUB; USPAT | OR | ON | 2010/12/09 10:59 |
| S190 | 5 | ("4415839" "5910709" "5910712" "6181086" "6667585").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/09 11:04 |
| S191 | 1 | ("5444333").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/09 11:28 |

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|------|---------|------------------------------------|---|----|-----|---------------------|
| S192 | 1 | ("20040046513").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/09 11:29 |
| S193 | 1 | ("20050253535").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/09 11:30 |
| S194 | 1 | ("20030230990").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/09 11:30 |
| S195 | 1 | ("5402043").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/09 11:31 |
| S196 | 1553353 | S166 and rapid start | US-PGPUB; USPAT | OR | ON | 2010/12/09 11:34 |
| S197 | 260 | S166 and rapid adj start | US-PGPUB; USPAT | OR | ON | 2010/12/09 11:34 |
| S198 | 0 | S197 and capacitor | US-PGPUB; USPAT | OR | ON | 2010/12/09 11:34 |
| S199 | 242 | S197 and capacitor | US-PGPUB; USPAT | OR | ON | 2010/12/09 11:34 |
| S200 | 6 | S199 and (minimiz\$3 near current) | US-PGPUB; USPAT | OR | ON | 2010/12/09 11:34 |
| S201 | 0 | S199 and temperory | US-PGPUB; USPAT | OR | ON | 2010/12/09 11:43 |
| S202 | 7 | S199 and temporary | US-PGPUB; USPAT | OR | ON | 2010/12/09 11:43 |
| S203 | 1 | ("6157142").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/09 15:09 |
| S204 | 0 | ("fluorsecent").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/12/09 15:13 |
| S205 | 63 | fluorsecent | US-PGPUB; USPAT | OR | ON | 2010/12/09 15:14 |
| S206 | 312252 | fluorescent | US-PGPUB; USPAT | OR | ON | 2010/12/09 15:14 |

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|------|--------|---|--------------------|----|-----|---------------------|
| S207 | 9988 | S206 and ballast | US-PGPUB; USPAT | OR | ON | 2010/12/09 15:15 |
| S208 | 1183 | S207 and \$4periodic\$2 | US-PGPUB; USPAT | OR | ON | 2010/12/09 15:15 |
| S209 | 854 | S208 not led | US-PGPUB; USPAT | OR | ON | 2010/12/09 15:16 |
| S210 | 1 | ("0000315").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/09 15:17 |
| S211 | 0 | "315.cls" | US-PGPUB; USPAT | OR | ON | 2010/12/09 15:17 |
| S212 | 61024 | ("315").CLAS. | US-PGPUB; USPAT | OR | OFF | 2010/12/09 15:18 |
| S213 | 0 | ("110and17").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/09 15:18 |
| S214 | 0 | ("110and17").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/09 15:18 |
| S215 | 296 | S212 and S209 | US-PGPUB; USPAT | OR | ON | 2010/12/09 15:19 |
| S216 | 275 | S215 and (microcontroller or microprocessor or control) | US-PGPUB; USPAT | OR | ON | 2010/12/09 15:39 |
| S217 | 312252 | fluorescent | US-PGPUB; USPAT | OR | ON | 2010/12/13 07:28 |
| S218 | 9988 | S217 and ballast | US-PGPUB; USPAT | OR | ON | 2010/12/13 07:28 |
| S219 | 1183 | S218 and \$4periodic\$2 | US-PGPUB; USPAT | OR | ON | 2010/12/13 07:28 |
| S220 | 854 | S219 not led | US-PGPUB; USPAT | OR | ON | 2010/12/13 07:28 |
| S221 | 58 | S220 and (var\$4 near voltage) | US-PGPUB; USPAT | OR | ON | 2010/12/13 07:28 |
| S222 | 23 | S220 and "variable voltage" | US-PGPUB; USPAT | OR | ON | 2010/12/13 07:47 |

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|------|-------|--|--------------------|------|-----|---------------------|
| S223 | 1 | S218 and (non adj periodic\$2 near voltage) | US-PGPUB; USPAT | OR | ON | 2010/12/13 07:51 |
| S224 | 51 | S218 and \$4periodic\$2 near voltage | US-PGPUB; USPAT | OR | ON | 2010/12/13 07:52 |
| S225 | 21 | fluorescent non periodic\$2 | US-PGPUB; USPAT | WITH | ON | 2010/12/13 08:31 |
| S226 | 1 | fluorescent (non adj periodic\$2) | US-PGPUB; USPAT | WITH | ON | 2010/12/13 08:31 |
| S227 | 2 | fluorescent non periodic\$2 voltage | US-PGPUB; USPAT | WITH | ON | 2010/12/13 08:34 |
| S228 | 2 | fluorescent non periodic voltage | US-PGPUB; USPAT | WITH | ON | 2010/12/13 08:34 |
| S229 | 1 | ("0000315").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/13 08:35 |
| S230 | 0 | "35.ccls" | US-PGPUB; USPAT | OR | ON | 2010/12/13 08:36 |
| S231 | 0 | "315.ccls" | US-PGPUB; USPAT | OR | ON | 2010/12/13 08:36 |
| S232 | 0 | "315.cls" | US-PGPUB; USPAT | OR | ON | 2010/12/13 08:36 |
| S233 | 61024 | ("315").CLAS. | US-PGPUB; USPAT | OR | OFF | 2010/12/13 08:40 |
| S234 | 0 | ("l8andl21").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/13 08:40 |
| S235 | 296 | S233 and S220 | US-PGPUB; USPAT | OR | ON | 2010/12/13 08:40 |
| S236 | 0 | ("US-5945787-\$.D.ID.ORUS-4358716-\$.D.ID.ORUS-6453217-\$.D.ID.ORUS-4388563-\$.D.ID.ORUS-5962989-\$.D.ID.ORUS-4488088-\$.D.ID.ORUS-20020153852-\$.D.ID.ORUS-1331018-\$.D.ID.").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/13 11:07 |
| S237 | 8 | US-5945787-\$.D.ID. OR US-4358716-\$.D.ID. OR US-6453217-\$.D.ID. OR US-4388563-\$.D.ID. OR US-5962989-\$.D.ID. OR US-4488088-\$.D.ID. OR US-20020153852-\$.D.ID. OR US-1331018-\$.D.ID. | US-PGPUB; USPAT | OR | ON | 2010/12/13 11:08 |

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| S238 | 1 | ("4529913").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/13 11:21 |
| S239 | 1 | ("5068577").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/13 11:23 |
| S240 | 98 | US-20070052368-\$.D.ID. OR US-4352539-\$.D.ID. OR US-5210470-\$.D.ID. OR US-4799134-\$.D.ID. OR US-4353007-\$.D.ID. OR US-5235254-\$.D.ID. OR US-7506994-\$.D.ID. OR US-4358716-\$.D.ID. OR US-20050068765-\$.D.ID. OR US-4363083-\$.D.ID. OR US-4392087-\$.D.ID. OR US-4366416-\$.D.ID. OR US-5315214-\$.D.ID. OR US-4370600-\$.D.ID. OR US-6100653-\$.D.ID. OR US-6184622-\$.D.ID. OR US-4388563-\$.D.ID. OR US-4276496-\$.D.ID. OR US-4389595-\$.D.ID. OR US-4414493-\$.D.ID. OR US-4406976-\$.D.ID. OR US-4492897-\$.D.ID. OR US-4414492-\$.D.ID. OR US-4538094-\$.D.ID. OR US-4441053-\$.D.ID. OR US-4546290-\$.D.ID. OR US-4443739-\$.D.ID. OR US-4603281-\$.D.ID. OR US-4449071-\$.D.ID. OR US-4609852-\$.D.ID. OR US-4503362-\$.D.ID. OR US-4807390-\$.D.ID. OR US-4503361-\$.D.ID. OR US-4808889-\$.D.ID. OR US-4508993-\$.D.ID. OR US-4833574-\$.D.ID. OR US-4523131-\$.D.ID. OR US-4885670-\$.D.ID. OR US-4535399-\$.D.ID. OR US-4912371-\$.D.ID. OR US-4538092-\$.D.ID. OR US-4983888-\$.D.ID. OR US-4568857-\$.D.ID. OR US-5187411-\$.D.ID. OR US-4581557-\$.D.ID. OR US-5252894-\$.D.ID. OR US-4587461-\$.D.ID. OR US-5412286-\$.D.ID. OR US-4609850-\$.D.ID. OR US-5442261-\$.D.ID. OR US-4612479-\$.D.ID. OR US-5648700-\$.D.ID. OR US-4629944-\$.D.ID. OR US-5834899-\$.D.ID. OR US-4794301-\$.D.ID. OR US-5986411-\$.D.ID. OR US-4855883-\$.D.ID. OR US-5998941-\$.D.ID. OR US-4859914-\$.D.ID. OR US-6034485-\$.D.ID. OR US-4862039-\$.D.ID. OR US-6107756-\$.D.ID. OR US-4885507-\$.D.ID. OR US-6111370-\$.D.ID. OR US-4926097-\$.D.ID. OR US-6225760-\$.D.ID. OR US-4933606-\$.D.ID. OR US-4939422-\$.D.ID. OR US-3619716-\$.D.ID. OR US-4950963-\$.D.ID. OR US-3705329-\$.D.ID. OR US-4958267-\$.D.ID. OR US-3699382-\$.D.ID. OR US-4961027-\$.D.ID. OR US-3659147-\$.D.ID. OR US-5001386-\$.D.ID. OR US-3896336-\$.D.ID. OR US-5019959-\$.D.ID. OR US-3882354-\$.D.ID. OR US-5023521-\$.D.ID. OR US-3824428-\$.D.ID. OR US- | US-PGPUB; USPAT | OR | ON | 2010/12/13 11:31 |

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|------|--------|---|---|----|----|---------------------|
| | | 5068577-\$.DID. OR US-4066930-\$.DID. OR US-5068571-\$.DID. OR US-4122374-\$.DID. OR US-5065074-\$.DID. OR US-4287456-\$.DID. OR US-5055747-\$.DID. OR US-4327308-\$.DID. OR US-5045760-\$.DID. OR US-4330736-\$.DID. OR US-5043627-\$.DID. OR US-4339690-\$.DID. OR US-5041763-\$.DID. OR US-4350929-\$.DID. OR US-5179323-\$.DID. OR US-4350933-\$.DID. OR US-5192896-\$.DID. | | | | |
| S241 | 84 | fluorescent | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/13 13:05 |
| S242 | 497339 | fluorescent | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/13 13:06 |
| S243 | 15701 | S242 and ballast | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/13 13:06 |
| S244 | 1243 | S243 and \$4periodic\$2 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/13 13:06 |
| S245 | 3 | S244 and dead near zone | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/13 13:07 |

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|------|-----|---|---|----|----|---------------------|
| S246 | 115 | S244 and dead | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/13 13:07 |
| S247 | 58 | S244 and (variable near voltage) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/13 13:08 |
| S248 | 32 | S247 not led | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/13 13:08 |
| S249 | 0 | ("4857810").URPN. | USPAT | OR | ON | 2010/12/13 13:19 |
| S250 | 360 | S244 and puls\$6 | USPAT | OR | ON | 2010/12/13 13:28 |
| S251 | 0 | S250 and vairable | USPAT | OR | ON | 2010/12/13 13:28 |
| S252 | 197 | S250 and variable | USPAT | OR | ON | 2010/12/13 13:29 |
| S253 | 4 | ("20050212462" "20060103330" "5914572" "7075254").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/13 13:41 |
| S254 | 20 | ("5055767" "5272327" "5652479" "5754012" "5818669" "5844378" "5896015" "5923129" "5965989" "6114814" "6215680").PN. OR ("6469454").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/13 14:23 |
| S255 | 20 | ("5055767" "5272327" "5652479" "5754012" "5818669" "5844378" "5896015" "5923129" "5965989" "6114814" "6215680").PN. OR ("6469454").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/13 14:38 |

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| S256 | 1 | ("6400100").PN. | US-PGRUB; USPAT | OR | OFF | 2010/12/13 15:24 |
| S257 | 9388 | (315/246,291,299,307,312,324,360,dig.5).CQLS. | US-PGRUB; USPAT | OR | OFF | 2010/12/13 15:56 |
| S258 | 3521 | S257 and S242 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/13 15:56 |
| S259 | 2143 | S258 and puls\$5 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/13 15:56 |
| S260 | 972 | S259 and variable | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/13 15:57 |
| S261 | 115 | S260 and dead | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/13 15:57 |
| S262 | 92 | S261 not led | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/13 15:57 |

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| S263 | 46 | ("20020180380" "20020181260" "20030090913" "4060751" "4544863" "4622496" "4672300" "5235254" "5410221" "5434477" "5539281" "5612594" "5652479" "5744915" "5770925" "5818172" "5825133" "5923129" "5930121" "6002210" "6038149" "6040662" "6108215" "6111370" "6121733" "6137240" "6150772" "6181084" "6198234" "6239558" "6259615" "6281636" "6351080" "6396722" "6417631" "6472827" "6495972" "6501234" "6515881" "6628093" "6630797" "6707264" "6724602" "6804129" "6876157" "6900600").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/13 16:10 |
| S264 | 924 | S260 and time\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/13 16:31 |
| S265 | 1 | ("4,574,278").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/13 17:07 |
| S266 | 2884 | ((CFL or (fluorescent adj tube) or ((lamp or bulb) with gas with mercury)) and (puls\$3 same voltage) and time | US-PGPUB; USPAT | OR | ON | 2010/12/13 17:29 |
| S267 | 16 | S266 and (non adj periodic\$2 or aperiodic\$2) | US-PGPUB; USPAT | OR | ON | 2010/12/13 17:30 |
| S268 | 431 | S266 not (led or L E D) | US-PGPUB; USPAT | OR | ON | 2010/12/13 17:34 |
| S269 | 1783 | S266 not led | US-PGPUB; USPAT | OR | ON | 2010/12/13 17:34 |
| S270 | 531 | S269 and S257 | US-PGPUB; USPAT | OR | ON | 2010/12/13 17:34 |

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| 5271 | 190 | US-20070052368-\$.DID. OR US-4352539-\$.DID. OR US-5210470-\$.DID. OR US-4799134-\$.DID. OR US-4353007-\$.DID. OR US-5235254-\$.DID. OR US-7506994-\$.DID. OR US-4358716-\$.DID. OR US-20050068765-\$.DID. OR US-4363083-\$.DID. OR US-4392087-\$.DID. OR US-4366416-\$.DID. OR US-5315214-\$.DID. OR US-4370600-\$.DID. OR US-6100653-\$.DID. OR US-6184622-\$.DID. OR US-4388563-\$.DID. OR US-4276496-\$.DID. OR US-4389595-\$.DID. OR US-4414493-\$.DID. OR US-4406976-\$.DID. OR US-4492897-\$.DID. OR US-4414492-\$.DID. OR US-4538094-\$.DID. OR US-4441053-\$.DID. OR US-4546290-\$.DID. OR US-4443739-\$.DID. OR US-4603281-\$.DID. OR US-4449071-\$.DID. OR US-4609852-\$.DID. OR US-4503362-\$.DID. OR US-4807390-\$.DID. OR US-4503361-\$.DID. OR US-4808889-\$.DID. OR US-4508993-\$.DID. OR US-4833574-\$.DID. OR US-4523131-\$.DID. OR US-4885670-\$.DID. OR US-4535399-\$.DID. OR US-4912371-\$.DID. OR US-4538092-\$.DID. OR US-4983888-\$.DID. OR US-4568857-\$.DID. OR US-5187411-\$.DID. OR US-4581557-\$.DID. OR US-5252894-\$.DID. OR US-4587461-\$.DID. OR US-5412286-\$.DID. OR US-4609850-\$.DID. OR US-5442261-\$.DID. OR US-4612479-\$.DID. OR US-5648700-\$.DID. OR US-4629944-\$.DID. OR US-5834899-\$.DID. OR US-4794301-\$.DID. OR US-5986411-\$.DID. OR US-4855883-\$.DID. OR US-5998941-\$.DID. OR US-4859914-\$.DID. OR US-6034485-\$.DID. OR US-4862039-\$.DID. OR US-6107756-\$.DID. OR US-4885507-\$.DID. OR US-6111370-\$.DID. OR US-4926097-\$.DID. OR US-6225760-\$.DID. OR US-4933606-\$.DID. OR US-4939422-\$.DID. OR US-3619716-\$.DID. OR US-4950963-\$.DID. OR US-3705329-\$.DID. OR US-4958267-\$.DID. OR US-3699382-\$.DID. OR US-4961027-\$.DID. OR US-3659147-\$.DID. OR US-5001386-\$.DID. OR US-3896336-\$.DID. OR US-5019959-\$.DID. OR US-3882354-\$.DID. OR US-5023521-\$.DID. OR US-3824428-\$.DID. OR US-5068577-\$.DID. OR US-4066930-\$.DID. OR US-5068571-\$.DID. OR US-4122374-\$.DID. OR US-5065074-\$.DID. OR US-4287456-\$.DID. OR US-5055747-\$.DID. OR US-4327308-\$.DID. OR US-5045760-\$.DID. OR US-4330736-\$.DID. OR US-5043627-\$.DID. OR US-4339690-\$.DID. | US-PGPUB; USPAT; USOCR, FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/14 07:22 |
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| | | OR US-5041763-\$.D.ID. OR US-4350929-\$.D.ID. OR US-5179323-\$.D.ID. OR US-4350933-\$.D.ID. OR US-5192896-\$.D.ID. | | | | |
| 5272 | 190 | US-20070052368-\$.D.ID. OR US-4352539-\$.D.ID. OR US-5210470-\$.D.ID. OR US-4799134-\$.D.ID. OR US-4353007-\$.D.ID. OR US-5235254-\$.D.ID. OR US-7506994-\$.D.ID. OR US-4358716-\$.D.ID. OR US-20050068765-\$.D.ID. OR US-4363083-\$.D.ID. OR US-4392087-\$.D.ID. OR US-4366416-\$.D.ID. OR US-5315214-\$.D.ID. OR US-4370600-\$.D.ID. OR US-6100653-\$.D.ID. OR US-6184622-\$.D.ID. OR US-4388563-\$.D.ID. OR US-4276496-\$.D.ID. OR US-4389595-\$.D.ID. OR US-4414493-\$.D.ID. OR US-4406976-\$.D.ID. OR US-4492897-\$.D.ID. OR US-4414492-\$.D.ID. OR US-4538094-\$.D.ID. OR US-4441053-\$.D.ID. OR US-4546290-\$.D.ID. OR US-4443739-\$.D.ID. OR US-4603281-\$.D.ID. OR US-4449071-\$.D.ID. OR US-4609852-\$.D.ID. OR US-4503362-\$.D.ID. OR US-4807390-\$.D.ID. OR US-4503361-\$.D.ID. OR US-4808889-\$.D.ID. OR US-4508993-\$.D.ID. OR US-4833574-\$.D.ID. OR US-4523131-\$.D.ID. OR US-4885670-\$.D.ID. OR US-4535399-\$.D.ID. OR US-4912371-\$.D.ID. OR US-4538092-\$.D.ID. OR US-4983888-\$.D.ID. OR US-4568857-\$.D.ID. OR US-5187411-\$.D.ID. OR US-4581557-\$.D.ID. OR US-5252894-\$.D.ID. OR US-4587461-\$.D.ID. OR US-5412286-\$.D.ID. OR US-4609850-\$.D.ID. OR US-5442261-\$.D.ID. OR US-4612479-\$.D.ID. OR US-5648700-\$.D.ID. OR US-4629944-\$.D.ID. OR US-5834899-\$.D.ID. OR US-4794301-\$.D.ID. OR US-5986411-\$.D.ID. OR US-4855883-\$.D.ID. OR US-5998941-\$.D.ID. OR US-4859914-\$.D.ID. OR US-6034485-\$.D.ID. OR US-4862039-\$.D.ID. OR US-6107756-\$.D.ID. OR US-4885507-\$.D.ID. OR US-6111370-\$.D.ID. OR US-4926097-\$.D.ID. OR US-6225760-\$.D.ID. OR US-4933606-\$.D.ID. OR US-4939422-\$.D.ID. OR US-3619716-\$.D.ID. OR US-4950963-\$.D.ID. OR US-3705329-\$.D.ID. OR US-4958267-\$.D.ID. OR US-3699382-\$.D.ID. OR US-4961027-\$.D.ID. OR US-3659147-\$.D.ID. OR US-5001386-\$.D.ID. OR US-3896336-\$.D.ID. OR US-5019959-\$.D.ID. OR US-3882354-\$.D.ID. OR US-5023521-\$.D.ID. OR US-3824428-\$.D.ID. OR US-5068577-\$.D.ID. OR US-4066930-\$.D.ID. OR US-5068571- | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/14 07:23 |

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| | | \$\$.DID. OR US-4122374-\$.DID. OR US-5065074-\$.DID. OR US-4287456-\$.DID. OR US-5055747-\$.DID. OR US- 4327308-\$.DID. OR US-5045760-\$.DID. OR US-4330736- \$.DID. OR US-5043627-\$.DID. OR US-4339690-\$.DID. OR US-5041763-\$.DID. OR US-4350929-\$.DID. OR US- 5179323-\$.DID. OR US-4350933-\$.DID. OR US-5192896- \$.DID. | | | | |
| 5273 | 98 | US-20070052368-\$.DID. OR US-4352539-\$.DID. OR US- 5210470-\$.DID. OR US-4799134-\$.DID. OR US-4353007- \$.DID. OR US-5235254-\$.DID. OR US-7506994-\$.DID. OR US-4358716-\$.DID. OR US-20050068765-\$.DID. OR US-4363083-\$.DID. OR US-4392087-\$.DID. OR US- 4366416-\$.DID. OR US-5315214-\$.DID. OR US-4370600- \$.DID. OR US-6100653-\$.DID. OR US-6184622-\$.DID. OR US-4388563-\$.DID. OR US-4276496-\$.DID. OR US- 4389595-\$.DID. OR US-4414493-\$.DID. OR US-4406976- \$.DID. OR US-4492897-\$.DID. OR US-4414492-\$.DID. OR US-4538094-\$.DID. OR US-4441053-\$.DID. OR US- 4546290-\$.DID. OR US-4443739-\$.DID. OR US-4603281- \$.DID. OR US-4449071-\$.DID. OR US-4609852-\$.DID. OR US-4503362-\$.DID. OR US-4807390-\$.DID. OR US- 4503361-\$.DID. OR US-4808889-\$.DID. OR US-4508993- \$.DID. OR US-4833574-\$.DID. OR US-4523131-\$.DID. OR US-4885670-\$.DID. OR US-4535399-\$.DID. OR US- 4912371-\$.DID. OR US-4538092-\$.DID. OR US-4983888- \$.DID. OR US-4568857-\$.DID. OR US-5187411-\$.DID. OR US-4581557-\$.DID. OR US-5252894-\$.DID. OR US- 4587461-\$.DID. OR US-5412286-\$.DID. OR US-4609850- \$.DID. OR US-5442261-\$.DID. OR US-4612479-\$.DID. OR US-5648700-\$.DID. OR US-4629944-\$.DID. OR US- 5834899-\$.DID. OR US-4794301-\$.DID. OR US-5986411- \$.DID. OR US-4855883-\$.DID. OR US-5998941-\$.DID. OR US-4859914-\$.DID. OR US-6034485-\$.DID. OR US- 4862039-\$.DID. OR US-6107756-\$.DID. OR US-4885507- \$.DID. OR US-6111370-\$.DID. OR US-4926097-\$.DID. OR US-6225760-\$.DID. OR US-4933606-\$.DID. OR US- 4939422-\$.DID. OR US-3619716-\$.DID. OR US-4950963- \$.DID. OR US-3705329-\$.DID. OR US-4958267-\$.DID. OR US-3699382-\$.DID. OR US-4961027-\$.DID. OR US- | US-PGPUB; USPAT | OR | ON | 2010/12/14 07:24 |

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| | | 3659147-\$.D.ID. OR US-5001386-\$.D.ID. OR US-3896336-\$.D.ID. OR US-5019959-\$.D.ID. OR US-3882354-\$.D.ID. OR US-5023521-\$.D.ID. OR US-3824428-\$.D.ID. OR US-5068577-\$.D.ID. OR US-4066930-\$.D.ID. OR US-5068571-\$.D.ID. OR US-4122374-\$.D.ID. OR US-5065074-\$.D.ID. OR US-4287456-\$.D.ID. OR US-5055747-\$.D.ID. OR US-4327308-\$.D.ID. OR US-5045760-\$.D.ID. OR US-4330736-\$.D.ID. OR US-5043627-\$.D.ID. OR US-4339690-\$.D.ID. OR US-5041763-\$.D.ID. OR US-4350929-\$.D.ID. OR US-5179323-\$.D.ID. OR US-4350933-\$.D.ID. OR US-5192896-\$.D.ID. | | | | |
| S274 | 1 | ("4965492").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/14 07:40 |
| S275 | 3081 | ((CCFL or (fluorescent adj tube) or ((lamp or bulb) with gas with mercury))) and (Puls\$3 same voltage) and time | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/14 09:00 |
| S276 | 7 | S275 and non adj periodic\$2 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/14 09:01 |
| S277 | 85 | S275 and (variable near voltage) | US-PGPUB; USPAT | OR | ON | 2010/12/14 10:12 |
| S278 | 61045 | ("315").CLAS. | US-PGPUB; USPAT | OR | OFF | 2010/12/14 10:13 |
| S279 | 0 | ("139and140").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/14 10:13 |
| S280 | 54 | S277 and S278 | US-PGPUB; USPAT | OR | ON | 2010/12/14 10:13 |
| S281 | 1 | ("4574278").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/14 10:52 |

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| S282 | 2886 | ((CCFL or (fluorescent adj tube) or ((lamp or bulb) with gas with mercury)) and (puls\$3 same voltage) and time | US-PGPUB; USPAT | OR | ON | 2010/12/14 13:50 |
| S283 | 878 | S282 and efficient | US-PGPUB; USPAT | OR | ON | 2010/12/14 13:50 |
| S284 | 467 | S283 not led | US-PGPUB; USPAT | OR | ON | 2010/12/14 13:50 |
| S285 | 24 | ("3681654" "4012663" "4101809" "4234820" "4682084" "4914356" "5027034" "5030887" "5381077").PN. OR ("5698952").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/14 14:49 |
| S286 | 3081 | ((CCFL or (fluorescent adj tube) or ((lamp or bulb) with gas with mercury)) and (Puls\$3 same voltage) and time | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/14 15:17 |
| S287 | 2 | S286 and (variable near dead) | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/14 15:17 |
| S288 | 71 | S286 and ((variable or adjustable or changable or aperiodic\$2 or non adj periodic\$2) with dead) | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/14 15:20 |
| S289 | 128 | S286 and ((variable or adjustable or changable or aperiodic\$2 or non adj periodic\$2) with voltage with pulse) | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/14 15:26 |
| S290 | 5 | ((CCFL or (fluorescent adj tube) or ((lamp or bulb) with gas with mercury)) and pwm and variable near voltage with pulse | US-PGPUB; USPAT | OR | ON | 2010/12/14 16:00 |
| S291 | 16 | ((CCFL or (fluorescent adj tube) or ((lamp or bulb) with gas with mercury)) and variable near voltage with pulse | US-PGPUB; USPAT | OR | ON | 2010/12/14 16:03 |
| S292 | 11 | ((CCFL or (fluorescent adj tube)) and variable near voltage with pulse | US-PGPUB; USPAT | OR | ON | 2010/12/14 16:07 |
| S293 | 18973 | ((CCFL or (fluorescent adj tube)) | US-PGPUB; USPAT | OR | ON | 2010/12/14 16:09 |
| S294 | 435 | S293 and voltage adj pulse | US-PGPUB; USPAT | OR | ON | 2010/12/14 16:10 |

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| S295 | 122 | S294 and (variable or adjustable, or fluctating) with (frequency or period) | US-PGPUB; USPAT | OR | ON | 2010/12/14 16:11 |
| S296 | 241 | S294 and (variable or adjustable, or fluctuat\$4) | US-PGPUB; USPAT | OR | ON | 2010/12/14 16:22 |
| S297 | 187 | S296 not kernahan | US-PGPUB; USPAT | OR | ON | 2010/12/14 16:24 |
| S298 | 1528 | 315/246,291,307,299,312,324,360.cds. and (flourscent and ballast and puls\$3 or \$4periodic\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/14 16:34 |
| S299 | 1528 | (315/246,291,307,299,312,324,360.cds. and (flourscent and ballast and puls\$3 or \$4periodic\$4)) or (S298 and (flourscent and ballast and puls\$3 or \$4periodic\$4)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/14 16:34 |
| S300 | 1006 | S299 not led | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/14 16:34 |
| S301 | 329 | S300 not dc | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/14 16:34 |
| S302 | 2 | S301 and non adj periodic\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/14 16:34 |

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| S303 | 1 | S302 and voltage adj pulse | US-PGPUB; USPAT | OR | ON | 2010/12/14 16:34 |
| S304 | 9399 | (315/246,291,299,307,312,324,360,dig.5).COLS. | US-PGPUB; USPAT | OR | OFF | 2010/12/14 16:34 |
| S305 | 1152 | S304 and voltage adj pulse | US-PGPUB; USPAT | OR | ON | 2010/12/14 16:34 |
| S306 | 1152 | S304 and voltage adj pulse | US-PGPUB; USPAT | OR | ON | 2010/12/14 16:35 |
| S307 | 6465 | S306 and variable or aperiodic\$3 | US-PGPUB; USPAT | OR | ON | 2010/12/14 16:36 |
| S308 | 453 | S306 and (variable or aperiodic\$3) | US-PGPUB; USPAT | OR | ON | 2010/12/14 16:36 |
| S309 | 356 | S308 not led | US-PGPUB; USPAT | OR | ON | 2010/12/14 16:36 |
| S310 | 356 | S309 not kernahan | US-PGPUB; USPAT | OR | ON | 2010/12/14 16:36 |
| S311 | 0 | ("2010/0134766").URPN. | USPAT | OR | ON | 2010/12/14 16:38 |
| S312 | 0 | ("2010/0134766").URPN. | USPAT | OR | ON | 2010/12/14 16:38 |
| S313 | 6 | ("4484190" "4521843" "5569983" "5691696" "5739645" "5949197").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/14 16:57 |
| S314 | 11 | ("4645979" "4719389" "4742278" "4933612").PN. OR ("5453668").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/14 17:02 |
| S315 | 1 | ("20080186257").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/14 17:06 |
| S316 | 1 | ("5235254").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/14 17:18 |
| S317 | 1 | ("7321200").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/14 17:20 |
| S318 | 1 | ("6469454").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/14 17:21 |

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| S319 | 1 | ("5698952").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/14 17:22 |
| S320 | 1 | ("4358716").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/14 17:24 |
| S321 | 24 | ("4137484" "5057747" "5306987").PN. OR ("5684367").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/15 08:07 |
| S322 | 24 | ("3681654" "4012663" "4101809" "4234820" "4682084" "4914356" "5027034" "5030887" "5381077").PN. OR ("5698952").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/15 08:14 |
| S323 | 84 | fluorsecet | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/15 08:25 |
| S324 | 497582 | fluorescent | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/15 08:25 |
| S325 | 5094 | S324 and voltage adj pulse | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/15 08:26 |
| S326 | 1944 | S325 and variable | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/15 08:26 |

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| S327 | 1291 | S326 not led not hid | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/15 08:26 |
| S328 | 856 | S327 and electrode | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/15 08:27 |
| S329 | 106 | S328 and dead | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/15 08:27 |
| S330 | 9399 | (315/246,291,299,307,312,324,360,dig.5).COLS. | US-PGRUB; USPAT | OR | OFF | 2010/12/15 08:27 |
| S331 | 89 | S328 and S330 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/15 08:27 |
| S332 | 5094 | S324 and "voltage pulse" | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/15 08:41 |

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| S333 | 193 | S327 and dead | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/15 08:41 |
| S334 | 29 | S333 and ballast | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/15 08:41 |
| S335 | 262 | S326 and ballast | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/15 08:46 |
| S336 | 196 | S335 not led | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/15 08:46 |
| S337 | 0 | ("2009/0091269").URPN. | USPAT | OR | ON | 2010/12/15 08:52 |
| S338 | 0 | ("2009/0091269").URPN. | USPAT | OR | ON | 2010/12/15 08:52 |
| S339 | 1 | ("4904903").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/15 08:52 |
| S340 | 607 | S332 and ballast | US-PGPUB; USPAT | OR | ON | 2010/12/15 09:07 |
| S341 | 218 | S340 and ((variable or adjustable or aperiodic\$2) and voltage with level) | US-PGPUB; USPAT | OR | ON | 2010/12/15 09:08 |
| S342 | 155 | S341 not led | US-PGPUB; USPAT | OR | ON | 2010/12/15 09:08 |

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| S343 | 130 | S342 not hid | US-PGRUB; USPAT | OR | ON | 2010/12/15 09:09 |
| S344 | 0 | ("2008/0205104").URPN. | USPAT | OR | ON | 2010/12/15 09:11 |
| S345 | 69 | ("3541421" "3753071" "3890537" "4042856" "4127795" "4170747" "4251752" "4277728").PN. OR ("4415839").URPN. | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/15 09:29 |
| S346 | 522 | ("3541421" "3753071" "3890537" "4042856" "4127795" "4170747" "4251752" "4277728"). PN33" and "variable." OR ("4415839").URPN. | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/15 09:39 |
| S347 | 249 | S340 and variable | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/15 09:39 |
| S348 | 0 | S340 and variable near voltage near level | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/15 09:40 |
| S349 | 1 | ("20090091269").PN. | US-PGRUB; USPAT | OR | OFF | 2010/12/15 09:41 |
| S350 | 1 | ("4277728").PN. | US-PGRUB; USPAT | OR | OFF | 2010/12/15 09:55 |
| S351 | 0 | S332 and variable near (frequency and width and level) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/15 10:03 |
| S352 | 0 | S332 and variable near (frequency near width near level) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/15 10:04 |

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|------|------|--|---|----|----|---------------------|
| S353 | 0 | S332 and ((vary or variable) near (frequency near width near level)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/15 10:05 |
| S354 | 0 | S332 and ((vary or variable) near (dead and level)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/15 10:06 |
| S355 | 9 | S332 and ((vary or variable) with (dead and level)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/15 10:06 |
| S356 | 218 | S332 and ((vary or variable) with ("voltage pulse")) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/15 10:09 |
| S357 | 31 | S356 and S330 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/15 10:10 |
| S358 | 5094 | S324 and ("voltage pulse" or "voltage pulses") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/15 11:01 |

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|------|---------|--|---|----|-----|---------------------|
| S359 | 2197 | S325 and (measure or monitor near current) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/15 11:02 |
| S360 | 4896043 | S359 and voltage level | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/15 11:03 |
| S361 | 341 | S359 and voltage adj level | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/15 11:04 |
| S362 | 223 | S361 and variable | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/15 11:04 |
| S363 | 89 | S362 not led | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/15 11:04 |
| S364 | 61045 | ("315").CLAS. | US-PGRUB; USPAT | OR | OFF | 2010/12/15 11:12 |
| S365 | 0 | ("157andfluorescent").PN. | US-PGRUB; USPAT | OR | OFF | 2010/12/15 11:13 |
| S366 | 8754 | S364 and fluorescent | US-PGRUB; USPAT | OR | ON | 2010/12/15 11:13 |

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|------|--------|---|---------------------------|----|----|---------------------|
| S367 | 1070 | S366 and ("voltage pulse" or pulsating near voltage) | US-PGRUB; USPAT | OR | ON | 2010/12/15 11:14 |
| S368 | 81 | S367 and dead | US-PGRUB; USPAT | OR | ON | 2010/12/15 11:14 |
| S369 | 60 | S368 not led | US-PGRUB; USPAT | OR | ON | 2010/12/15 11:14 |
| S370 | 0 | ("2009/0206767").URPN. | USPAT | OR | ON | 2010/12/15 11:18 |
| S371 | 311 | S367 and variable | USPAT | OR | ON | 2010/12/15 11:46 |
| S372 | 260 | S371 not led | USPAT | OR | ON | 2010/12/15 11:46 |
| S373 | 236 | S372 not hid | USPAT | OR | ON | 2010/12/15 11:46 |
| S374 | 28 | S367 and (amplitude near modulated) | USPAT | OR | ON | 2010/12/15 12:01 |
| S375 | 6 | S358 and pam and pwm | USPAT | OR | ON | 2010/12/15 12:05 |
| S376 | 16 | S330 and pam and pwm | USPAT | OR | ON | 2010/12/15 14:00 |
| S377 | 3 | ("5666279" "5818709" "7332871").PN. OR ("7619368").URPN. | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/15 14:24 |
| S378 | 0 | pam and pwn and fluorescent | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/15 14:35 |
| S379 | 328525 | fluorescent | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/15 14:36 |
| S380 | 184 | S379 and pwm and pam | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/15 14:36 |
| S381 | 173 | S380 and pulse | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/15 14:36 |
| S382 | 41 | S381 not led | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/15 14:37 |

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|------|--------|--|---------------------------|----|-----|---------------------|
| S383 | 2 | S379 and vam and pwm | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/15 14:41 |
| S384 | 5588 | S379 and amplitude and modulation and width | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/15 14:42 |
| S385 | 901872 | S384 and voltage pulse | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/15 14:42 |
| S386 | 720 | S384 and ("voltage pulse" or "voltage pulses") | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/15 14:43 |
| S387 | 67 | S386 and S330 | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/15 14:43 |
| S388 | 53 | S387 not led | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/15 14:43 |
| S389 | 9399 | (315/246,291,299,307,312,324,360,dig.5).COLS | US-PGPUB; USPAT | OR | OFF | 2010/12/15 15:31 |
| S390 | 12 | S389 and variable adj dead | US-PGPUB; USPAT | OR | ON | 2010/12/15 15:31 |
| S391 | 1 | ("5698952").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/15 15:45 |
| S392 | 1 | ("4321200").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/15 15:46 |
| S393 | 1 | ("7321200").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/15 15:46 |
| S394 | 1 | ("6075326").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/15 15:47 |
| S395 | 9399 | (315/246,291,299,307,312,324,360,dig.5).COLS | US-PGPUB; USPAT | OR | OFF | 2010/12/15 16:08 |
| S396 | 1152 | S395 and "voltage pulse" | US-PGPUB; USPAT | OR | ON | 2010/12/15 16:08 |
| S397 | 107 | S396 and dead | US-PGPUB; USPAT | OR | ON | 2010/12/15 16:08 |
| S398 | 88 | S397 not led | US-PGPUB; USPAT | OR | ON | 2010/12/15 16:08 |

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|------|---------|---|---------------------------|-----|-----|---------------------|
| S399 | 62 | S398 not hid | US-PGPUB; USPAT | OR | ON | 2010/12/15 16:09 |
| S400 | 1 | ("6002213").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/15 16:20 |
| S401 | 0 | ("182andnonadjperiodic").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/15 16:38 |
| S402 | 14 | S389 and non adj periodic | US-PGPUB; USPAT | OR | ON | 2010/12/15 16:40 |
| S403 | 1 | ("4904903").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/15 16:59 |
| S404 | 33 | ("3745411" "3898006" "3906302" "4001633" "4219760" "4289993" "4388563" "4392087" "4412156").PN. OR ("4904903").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/15 16:59 |
| S405 | 33 | ("3745411" "3898006" "3906302" "4001633" "4219760" "4289993" "4388563" "4392087" "4412156").PN. OR ("4904903").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/15 16:59 |
| S406 | 3487792 | ((controller or microcontroller or processor or microprocessor or IC or (integrated circuit) or ((control \$4 or process\$3) (device or apparatus or circuit or element))) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/12/16 08:06 |
| S407 | 23629 | S406 and ((fluorescent or fluorecent or (phosphor\$3)) (lamp or tube)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/12/16 08:07 |
| S408 | 910 | S407 and ("voltage pulse" or "voltage pulses") | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/12/16 08:08 |
| S409 | 61078 | ("315").CLAS. | US-PGPUB; USPAT | OR | OFF | 2010/12/16 08:09 |
| S410 | 493 | S408 and S409 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/12/16 08:09 |
| S411 | 378 | S410 and (vary or variable) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/12/16 08:10 |
| S412 | 318 | S411 not led | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/12/16 08:10 |
| S413 | 298 | S411 not led | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/12/16 08:11 |

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|------|---------|---|---------------------------|-----|-----|---------------------|
| S414 | 8 | ("20020017897" "20020158613" "20030122605" "20040085031" "20040174122" "3836797" "5434479" "7061189").PN. OR ("7420333").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/16 08:14 |
| S415 | 40 | S413 and dead | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/16 08:45 |
| S416 | 3487792 | (controller or microcontroller or processor or microprocessor or IC or (integrated circuit) or ((control \$4 or process\$3) (device or apparatus or circuit or element))) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/12/16 13:01 |
| S417 | 23629 | S416 and ((fluorescent or fluorecent or (phosphor\$3)) (lamp or tube)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/12/16 13:01 |
| S418 | 910 | S417 and ("voltage pulse" or "voltage pulses") | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/12/16 13:01 |
| S419 | 61078 | ("315").CLAS. | US-PGPUB; USPAT | OR | OFF | 2010/12/16 13:01 |
| S420 | 493 | S418 and S419 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/12/16 13:01 |
| S421 | 378 | S420 and (vary or variable) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/12/16 13:01 |
| S422 | 298 | S421 not led | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/12/16 13:01 |
| S423 | 94 | S422 and duty adj cycle | US-PGPUB; USPAT | OR | ON | 2010/12/16 13:01 |
| S424 | 1 | S421 and non adj periodic | US-PGPUB; USPAT | OR | ON | 2010/12/16 13:34 |
| S425 | 0 | S418 and non adj periodic | US-PGPUB; USPAT | OR | ON | 2010/12/16 13:34 |
| S426 | 3 | S418 and non adj periodic | US-PGPUB; USPAT | OR | ON | 2010/12/16 13:34 |
| S427 | 42 | S419 and non adj periodic | US-PGPUB; USPAT | OR | ON | 2010/12/16 13:38 |
| S428 | 3 | ("20050285544" "6803730" "7034800").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/16 13:46 |

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|------|-------|--|---------------------------|----|-----|---------------------|
| S429 | 9 | ("4492896" "5924784").PN. OR ("6963180").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/16 13:50 |
| S430 | 4 | S418 and ((non or adjustable or changable or vary or varing or variable) adj period) | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/16 14:04 |
| S431 | 19 | ("4346332" "4370600" "4682080" "4704560").PN. OR ("4998045").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/16 14:08 |
| S432 | 14 | S417 and S419 and ((non or adjustable or changable or vary or varing or variable) adj period) | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/16 14:23 |
| S433 | 3022 | ((CCFL or (fluorescent adj tube) or ((lamp or bulb) with gas with mercury)) and (puls\$3 same voltage) and time | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/16 14:29 |
| S434 | 1902 | S433 not led | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/16 14:29 |
| S435 | 1782 | S434 not hid | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/16 14:29 |
| S436 | 10502 | fluorescent.ti. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/16 14:32 |
| S437 | 223 | S435 and S436 | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/16 14:32 |
| S438 | 1 | ("5233273").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/16 14:46 |
| S439 | 1 | ("6087785").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/16 14:52 |
| S440 | 5 | ("5623187" "5773937" "5859505").PN. OR ("6087785").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/16 14:53 |
| S441 | 0 | (08/491872).CCLS. | US-PGPUB; USPAT | OR | OFF | 2010/12/20 14:04 |
| S442 | 9 | ("4004175" "4391901" "5363019" "5592052" "5610477" "6057635" "6157145" "6274986" "6635391").PN. OR ("6894438").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/20 14:39 |
| S443 | 0 | ("4415839,6894438").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/20 15:40 |
| S444 | 2 | ((("4415839") or ("6894438")).PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/20 15:40 |

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|------|------|---|---------------------------|----|-----|---------------------|
| S445 | 3 | ((("4415839") or ("6894438") or ("5698952"))).PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/20 15:40 |
| S446 | 9 | ("3541421" "3753071" "3890537" "4042856" "4127795" "4170747" "4251752" "4277728").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/20 15:41 |
| S447 | 9 | ("3541421" "3753071" "3890537" "4042856" "4127795" "4170747" "4251752" "4277728").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/20 15:43 |
| S448 | 60 | ("4415839").URPN. | USPAT | OR | ON | 2010/12/20 15:43 |
| S449 | 6 | ("3824428").URPN. | USPAT | OR | ON | 2010/12/20 16:17 |
| S450 | 3022 | ((CFL or (fluorescent adj tube) or ((lamp or bulb) with gas with mercury)) and (puls\$3 same voltage) and time | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/20 16:20 |
| S451 | 1902 | S450 not led | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/20 16:20 |
| S452 | 1782 | S451 not hid | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/20 16:20 |
| S453 | 4 | S452 and pfm | USPAT | OR | ON | 2010/12/20 16:20 |
| S454 | 47 | ("3919656" "5208205" "5329200" "5341061" "5424935" "5548189" "5654605" "5675484" "5705877" "5739621" "5760619" "5777425" "5859489").PN. OR ("6016052").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/20 16:22 |
| S455 | 18 | ("20020121865" "20040021492" "20040095117" "3579133" "5548189" "5886477" "5923542" "6016052" "6134133" "6226196" "6239558" "6278625" "6348755" "6400096" "6566821" "6617757" "6690121" "6747421").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/20 16:28 |
| S456 | 1 | ("6087785").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/20 16:39 |
| S457 | 1 | ("4415839").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/20 16:58 |
| S458 | 60 | ("4415839").URPN. | USPAT | OR | ON | 2010/12/20 16:58 |

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|------|------|--|---------------------------|----|-----|---------------------|
| S459 | 9408 | (315/246,291,299,307,312,324,360,dig.5).CQLS. | US-PGRUB; USPAT | OR | OFF | 2010/12/20 17:25 |
| S460 | 3531 | S459 and fluorescent | US-PGRUB; USPAT | OR | ON | 2010/12/20 17:25 |
| S461 | 2151 | S460 and puls\$5 | US-PGRUB; USPAT | OR | ON | 2010/12/20 17:25 |
| S462 | 115 | S461 and "electronic ballast" and microprocessor | US-PGRUB; USPAT | OR | ON | 2010/12/20 17:25 |
| S463 | 3025 | ((CFL or (fluorescent adj tube) or ((lamp or bulb) with gas with mercury)) and (puls\$3 same voltage) and time | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/21 07:32 |
| S464 | 27 | S463 and (var\$4 near (frequency and (width or dead or duty))) | US-PGRUB; USPAT | OR | ON | 2010/12/21 07:32 |
| S465 | 1904 | S463 not led | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/21 07:44 |
| S466 | 42 | S463 and pfm | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/21 07:56 |
| S467 | 14 | S466 not led | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/21 07:56 |
| S468 | 426 | S463 and (random or non adj periodic\$2) | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/21 08:01 |
| S469 | 170 | S468 not led | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/21 08:02 |
| S470 | 12 | ("4321507" "4422016" "5105127" "5453668" "5982112").PN. OR ("6153981").URPN. | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/21 08:10 |
| S471 | 328 | fluorescent and "non periodic" | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/21 08:19 |
| S472 | 170 | S471 not led | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/21 08:20 |
| S473 | 170 | S472 not hid | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/21 08:20 |
| S474 | 151 | S472 not bio | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/21 08:20 |

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|------|--------|---|---------------------------|----|-----|---------------------|
| S475 | 123 | S474 not drugs | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/21 08:20 |
| S476 | 626761 | S475 nto blood | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/21 08:21 |
| S477 | 108 | S475 not blood | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/21 08:21 |
| S478 | 1904 | S463 not led | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/21 08:58 |
| S479 | 432 | S478 and measure | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/21 08:58 |
| S480 | 385 | S479 not hid | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/21 08:58 |
| S481 | 359 | S480 not tv | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/21 08:58 |
| S482 | 469 | S478 and (dimmer or dimming) | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/21 09:00 |
| S483 | 2267 | "121" and variable | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/21 09:00 |
| S484 | 213 | S482 and variable | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/21 09:00 |
| S485 | 745 | S463 not frequency | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/21 09:02 |
| S486 | 443 | S485 not led | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/21 09:02 |
| S487 | 196 | S486 not display | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/21 09:07 |
| S488 | 195 | S487 not tv | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/21 09:07 |
| S489 | 9415 | (315/246,291,299,307,312,324,360,dig.5).CQLS. | US-PGRUB; USPAT | OR | OFF | 2010/12/21 11:25 |
| S490 | 3533 | S489 and fluorescent | US-PGRUB; USPAT | OR | ON | 2010/12/21 11:25 |

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|------|---------|---|---------------------------|-----|-----|---------------------|
| S491 | 186 | S490 and (controller near power) | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/21 11:25 |
| S492 | 1 | S491 and intergrated | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/21 11:25 |
| S493 | 24 | ("20020158591" "20020175640" "5039921" "5107184" "5331253" "5680015" "5691605" "5838116" "5925990" "6008593" "6011360" "6046551" "6147463" "6150773" "6160361" "6181086" "6333605" "6337544" "6362575" "6469454" "6509699" "6552498" "6879114" "6956336").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/21 11:30 |
| S494 | 9415 | (315/246,291,299,307,312,324,360,dig.5).COLS. | US-PGPUB; USPAT | OR | OFF | 2010/12/21 13:52 |
| S495 | 19 | S494 and (short near filament) | US-PGPUB; USPAT | OR | ON | 2010/12/21 13:52 |
| S496 | 1 | ("4415839").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/21 13:58 |
| S497 | 3489154 | (controller or microcontroller or processor or microprocessor or IC or (integrated circuit) or ((control \$4 or process\$3) (device or apparatus or circuit or element))) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/12/21 16:11 |
| S498 | 23643 | S497 and ((fluorescent or fluorecent or (phosphor\$3)) (lamp or tube)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/12/21 16:11 |
| S499 | 910 | S498 and ("voltage pulse" or "voltage pulses") | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/12/21 16:11 |
| S500 | 61097 | ("315").CLAS. | US-PGPUB; USPAT | OR | OFF | 2010/12/21 16:11 |
| S501 | 493 | S499 and S500 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/12/21 16:11 |
| S502 | 378 | S501 and (vary or variable) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/12/21 16:11 |
| S503 | 38 | S502 and algorithm | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/12/21 16:11 |

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|------|------|---|---------------------------|-----|-----|---------------------|
| S504 | 27 | S502 and (monitor near current) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/12/21 16:22 |
| S505 | 0 | S501 and (program\$3 near algorithm) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/12/21 16:50 |
| S506 | 3 | S501 and (program\$3 near algorithm) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/12/21 16:50 |
| S507 | 0 | S501 and (algorithm near (controller or processor)) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/12/21 16:59 |
| S508 | 1 | S502 and (monitor near dead) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/12/21 17:01 |
| S509 | 274 | S501 and (controller or processor or microcontroller) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/12/21 17:07 |
| S510 | 48 | S509 and ((measure or monitor) near current) | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/12/21 17:08 |
| S518 | 9415 | (315/246,291,299,307,312,324,360,dig.5).COLS. | US-PGPUB; USPAT | OR | OFF | 2010/12/22 13:28 |
| S519 | 3533 | S518 and fluorescent | US-PGPUB; USPAT | OR | ON | 2010/12/22 13:28 |
| S520 | 0 | S519 and (filament near short) and efficien\$2 | USPAT | OR | ON | 2010/12/22 13:28 |
| S521 | 6 | S519 and (filament near short) and efficien\$2 | USPAT | OR | ON | 2010/12/22 13:28 |
| S522 | 9415 | (315/246,291,299,307,312,324,360,dig.5).COLS. | US-PGPUB; USPAT | OR | OFF | 2010/12/22 13:44 |
| S523 | 3533 | S522 and fluorescent | US-PGPUB; USPAT | OR | ON | 2010/12/22 13:44 |
| S524 | 0 | S523 and (starter near capacitor near temporary) | US-PGPUB; USPAT | OR | ON | 2010/12/22 13:44 |
| S525 | 12 | S523 and (starter near capacitor) | US-PGPUB; USPAT | OR | ON | 2010/12/22 13:44 |
| S526 | 260 | S523 and (rapid near start) | US-PGPUB; USPAT | OR | ON | 2010/12/22 13:53 |

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|------|----|--|---------------------------|----|-----|---------------------|
| S527 | 32 | S526 and "starting capacitor" | US-PGRUB; USPAT | OR | ON | 2010/12/22 13:59 |
| S528 | 0 | S523 and ("starting capacitor" near (disconnect or remove)) | US-PGRUB; USPAT | OR | ON | 2010/12/22 14:20 |
| S529 | 1 | S523 and ("starting capacitor" near (disconnect or remove or short)) | US-PGRUB; USPAT | OR | ON | 2010/12/22 14:21 |
| S530 | 13 | ("4868728" "5075599" "5187414" "5367247" "5382881" "5500792" "5510974" "5546300" "5552979").PN. OR ("5914569").URPN. | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/22 14:22 |
| S531 | 0 | S527 and (zero near current near switching) | US-PGRUB; USPAT | OR | ON | 2010/12/22 14:44 |
| S532 | 0 | S530 and (minimize near current) | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/22 14:48 |
| S533 | 2 | S530 and (decrease near current) | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/22 14:49 |
| S534 | 0 | S522 and "zero current switching". | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/22 14:58 |
| S535 | 45 | S522 and "zero current switching" | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/22 14:58 |
| S536 | 31 | "6181086" | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/22 15:12 |
| S537 | 1 | ("6181086").PN. | US-PGRUB; USPAT | OR | OFF | 2010/12/22 15:12 |
| S538 | 1 | ("7042170").PN. | US-PGRUB; USPAT | OR | OFF | 2010/12/22 15:14 |
| S539 | 33 | ("3697821" "4733138" "4950959" "5030887" "5315214" "5381078").PN. OR ("6181086").URPN. | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/22 15:15 |
| S540 | 2 | S519 and "remote monitoring" | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/22 15:30 |
| S541 | 0 | S519 and (wireless near monitor) | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/22 15:34 |
| S542 | 0 | S519 and (wireless near monitor\$3) | US-PGRUB; USPAT; USOCR | OR | ON | 2010/12/22 15:35 |

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|------|----|---|---------------------------|----|-----|---------------------|
| S543 | 6 | ("3697821" "4733138" "4950959" "5030887" "5315214" "5381078").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/22 15:39 |
| S544 | 4 | ("7042170").URPN. | USPAT | OR | ON | 2010/12/22 15:45 |
| S545 | 1 | ("7623042").URPN. | USPAT | OR | ON | 2010/12/22 15:45 |
| S546 | 43 | ("20040051467" "4323820" "4355309" "4358717" "4686380" "4797599" "5005211" "5146153" "5237264" "5248919" "5373453" "5471063" "5561351" "5637930" "5770926" "5872429" "5909087" "5982103" "6100653" "6169377" "6184622" "6249516" "6252358" "6297724" "6300727" "6400280" "6689050" "6803728" "6904385" "6914395" "6927546" "6990394" "7042170" "7045968" "7079808" "7103511" "7167777" "7199530" "7307389" "7307542" "7369060" "7400226" "7490957").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/22 15:46 |
| S547 | 43 | ("20040051467" "4323820" "4355309" "4358717" "4686380" "4797599" "5005211" "5146153" "5237264" "5248919" "5373453" "5471063" "5561351" "5637930" "5770926" "5872429" "5909087" "5982103" "6100653" "6169377" "6184622" "6249516" "6252358" "6297724" "6300727" "6400280" "6689050" "6803728" "6904385" "6914395" "6927546" "6990394" "7042170" "7045968" "7079808" "7103511" "7167777" "7199530" "7307389" "7307542" "7369060" "7400226" "7490957").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/22 15:46 |
| S548 | 27 | ("20010034754" "20020078198" "20020198978" "20030020595" "20030151909" "20040002792" "5109222" "5572438" "5822012" "5880677" "6175860" "6405261" "6548967" "6636005" "6671586" "6681110" "6694125").PN. OR ("6990394").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/22 15:56 |
| S549 | 1 | (08/632297).APP. | US-PGPUB; USPAT | OR | OFF | 2010/12/22 16:04 |

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|------|---|-------------------|--------------------|----|-----|---------------------|
| S550 | 1 | ("6,617,805").PN. | US-PGPUB; USPAT | OR | OFF | 2010/12/27 10:12 |
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12/ 27/ 2010 5:23:03 PM

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